

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-025409**Date Inspected:** 03-Aug-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Jobsite

<b>CWI Name:</b>	John Pagliero		
<b>Inspected CWI report:</b>	Yes	No	N/A
<b>Electrode to specification:</b>	Yes	No	N/A
<b>Qualified Welders:</b>	Yes	No	N/A
<b>Approved Drawings:</b>	Yes	No	N/A

<b>CWI Present:</b>	Yes	No
<b>Rod Oven in Use:</b>	Yes	No N/A
<b>Weld Procedures Followed:</b>	Yes	No N/A
<b>Verified Joint Fit-up:</b>	Yes	No N/A
<b>Approved WPS:</b>	Yes	No N/A
<b>Delayed / Cancelled:</b>	Yes	No N/A
<b>Component:</b>	SAS OBG	

**Bridge No:** 34-0006**Summary of Items Observed:**

Quality Assurance Inspector (QA) Douglas Frey was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

1. 11E 12E D (Exterior)
2. 11W 12W E (Interior)
3. 10W 11W D (Exterior)

1. 11E 12E D (Exterior)

The QA inspector randomly observed ABF welder Fred Kaddu ID#2188 utilizing the Plasma Arc Cutting (PAC) method to remove the backing bar from the exterior face of bottom plate D at 11E 12E. The work progressed throughout the shift and the QA inspector noted that the work appeared to be in general conformance with the contract documents.

2. 11W 12W E (Interior)

The QA Inspector randomly observed ABF welding operator Hua Qiang Hwang ID#2930 performing Flux Core Arc Welding w/gas (FCAW-G) operations in the 3G vertical position on side plate E located at 11E 12E on the interior of the OBG. The QA Inspector observed the QC Inspector Tony Sherwood as being present in order to

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## WELDING INSPECTION REPORT

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monitor the progress and ensure the welding parameters were in compliance pertaining to ABF-WPS-D15-3042B-1. The work is in progress and the QA Inspector noted that the work appears to be in general conformance with the contract documents.

### 3. 10W 11W D (Exterior)

The QA Inspector randomly observed ABF welding operator James Zhen ID#6001 performing Flux Core Arc Welding w/gas (FCAW-G) operations in the 4G overhead position on bottom plate D located at 10W 11W on the exterior of the OBG. The QA Inspector observed the QC Inspector Pat Swain as being present in order to monitor the progress and ensure the welding parameters were in compliance pertaining to ABF-WPS-D15-3042B-1. The work was completed on this date and the QA Inspector noted that the work appears to be in general conformance with the contract documents.

#### Summary of Conversations:

At the beginning the shift the QA inspector met with QC inspector John Pagliero and discussed the welders assignments and locations for the shift to include pending issues, ongoing work and required testing.



#### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Nina Choy 510-385-5910, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Frey,Doug	Quality Assurance Inspector
<b>Reviewed By:</b>	Levell,Bill	QA Reviewer

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